

TEACHER REPORT

Name of Teacher	Kuldeep Singh Meel
Module	CS3243-Introduction to Artificial Intelligence (LECTURE)
Academic Year/Sem	2021/2022 - SEM 1
Department	COMPUTER SCIENCE
Faculty	SCHOOL OF COMPUTING

Raters	Student
Responded	91
Invited	155
Response Ratio	59%

Note:

Class Size = Invited; Response Size = Responded; Response Rate = Response Ratio

A. GUIDELINES FOR INTERPRETING THE REPORT

The teacher evaluation report is for developmental purposes and is meant to help identify strengths and areas for improvement. Please consider the following recommendations that will aid in interpreting the results:

1. Examine the report by taking note of patterns in order to consider how best to act on the feedback your students have taken the time to provide. Use the reflection section at the end to reflect upon how you might act on the feedback.
2. These evaluations stem from student perception and thus constitute one source of evidence among others as to the quality of your teaching. Any response to the feedback should be based on the most representative results rather than on outlying responses.
3. Upon getting a general sense as to what has gone well, and which areas may require attention and improvement, it is important to drill down to the related questions. These questions can help guide future action if feedback from students suggest areas for improvement.
4. Keep both the likert scale and written comments in mind while reading through the report. High scores (4+) suggest student consensus indicating a strength. On the other hand, low scores (2-) should be considered as an area that requires immediate developmental focus based on student feedback.

B. NOMINATION FOR TEACHING AWARDS

Response Count

I would like to nominate Kuldeep Singh Meel for teaching awards

29

Comment

- Prof really cares about holistic and effective learning

- na

- He really cares a lot about the students and shows it from the way he teaches and the tests and homework/projects he gives.

- For a 3k CS mod, the lectures never feel insanely difficult and prof makes it very easy to follow along

- The lectures were well explained and the professor made it very easy to understand the content.

- Prof Kuldeep has vested much into CS3243 to ensure an outstanding learning outcome for all his students. His lectures are engaging, well-paced and strike a good balance between high-level overviews and technical details. Although the content is challenging, I find myself naturally absorb the knowledge with his teaching and explanation. The standard of this module is easily top 3 among all CS coded modules I have taken (I am a CS major so this number is large).

- He explains the concept well and the lesson is very organized

- Prof Kuldeep genuinely cares about his students

- Lecturer is very active in helping students to grasp new concept. Lecturer is also able to keep lesson interesting and teach effectively through use of examples.

- Amazing Teacher

- He is very patient, detailed, and responsible in teaching; he also pays close attention to individual students as he offers weekly consultations which I found very helpful; beyond teaching he also encourages students with a lot of thought-provoking words, which makes me feel more motivated.

- Awesome prof

- Prof Kuldeep cares about his students and always gives us encouragement. During lectures, he will make sure that everyone understands the topic.

- He grades us only on our appearance instead of bell curve. Materials are useful. Lecture speed is friendly to students and easy to understand.

- Prof Kuldeep really cares about the students' experience. This is evident from the numerous calls for feedback (e.g. weekly survey, post-midterm survey). He also responds to these suggestions and shares these thoughts with the cohort, taking action and making changes if necessary. It is also evident from his words and actions during lectures that what matters to him is not just completing the module and getting a grade, but understanding fundamental concepts (such as the mechanisms underlying the various algorithms) and developing a wider appreciation of the topics covered. I think that he has taken onboard many suggestions from previous iterations of this mod, and as a result has managed to establish a good formula for this iteration of the mod. This dedication to continuous improvement is a commendable one, especially so considering that he has already taught this mod for so many iterations.

- Very motivating

- He is kind and always well prepared in class and he is keen to answering every of our questions.

- He is really passionate about the topic he taught, he openly encouraged teamwork rather than competition within each other. has given life lessons that are really enlightening.

- Prof is very passionate about what he is teaching and whether we understand the concepts. He is responsible and patient, answering whatever doubts we have and clarifying our questions. He also takes our feedback seriously, constantly thinking about and implementing ways that can enhance our learning. I really appreciate prof's efforts. I have gained much more understanding, insights and interests in AI.

- Very caring and understanding professor that heavily encourage feedback and actually listens to them. He has improved the module significantly from previous semesters and even improved upon certain aspects during the semester after students' feedback. His lecture notes and teaching style are very clear. His tutorial questions and problem sets reinforces learning very well. I also particularly like his hybrid GoodNotes+Slides combo.

- a lecturer that genuinely cares for the well-being and learning of his students, he adjusted the module after feedback from last semester and he continued to adjust the module content after the mid-semester's feedback. you won't find many profs willing to make a change for the better learning of their students in such a short span of time. he often preaches about the need to stay inquisitive and to constantly learn, and these things can be seen in his attitude towards teaching the module and his handling of

Comment
each student's questions seriously.
- Prof Kuldeep is a very caring Prof, he is willing to re explain everything until we understand a topic.
- Prof. Kuldeep takes his best effort to design the Introduction to AI course in the way that stimulates interest in the fields and easier to grasp. The lectures are very well-paced, with each covering only the core concept in depth. The workload is well-designed with sufficient drive to learn and no unnecessary pressure
- great prof. great module. the difficulty was flexible and adjusted to suit the students needs. Prof is patient in breaking down difficult concepts.
- Good
- Brings students through the algorithms step by step. Taught derivation of algorithms rather than just showing the algorithms.
- Very good
- Prof Kuldeep makes AI fun :)
- good teacher.

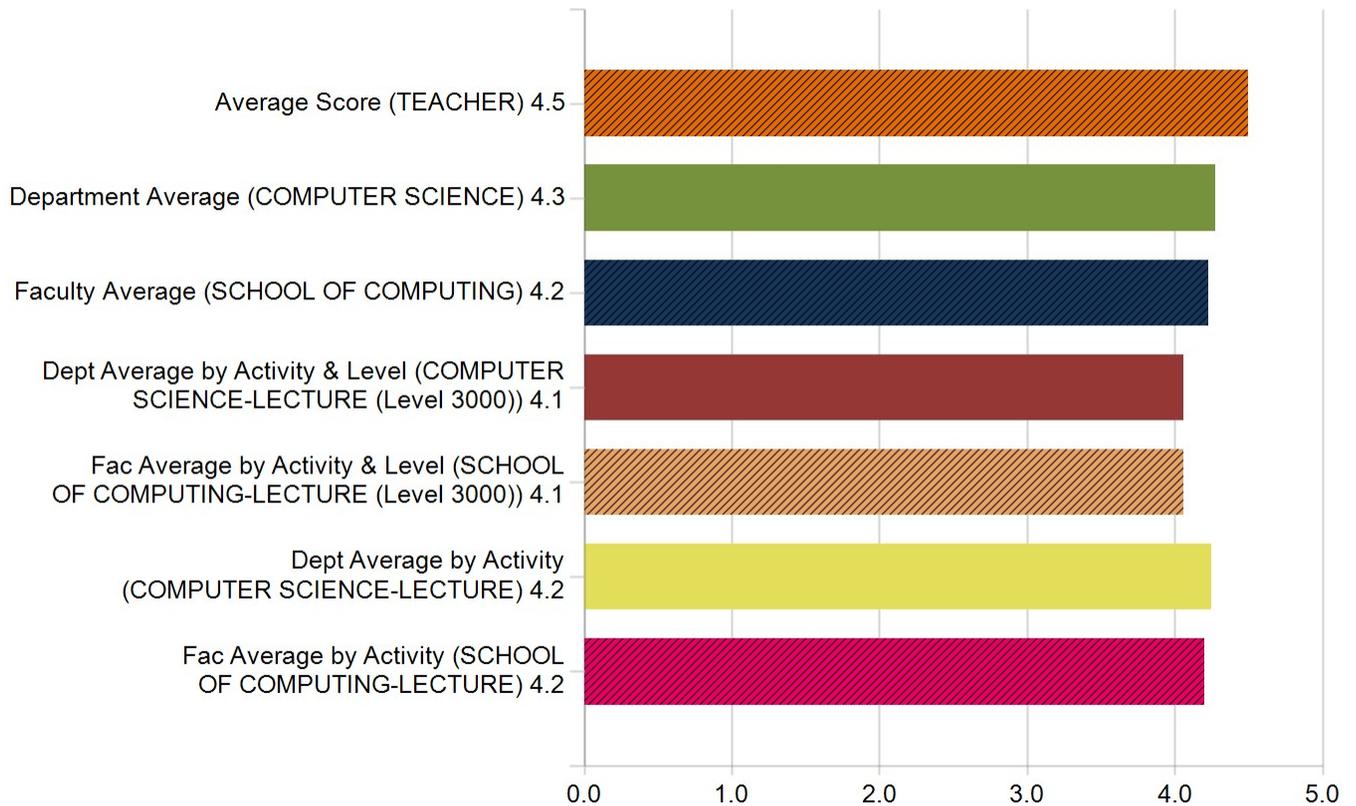
C. STUDENT FEEDBACK SCORES

(i) Rating Score

Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)		Faculty Average (SCHOOL OF COMPUTING)	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Overall, the teacher is effective.	4.5	0.6	4.3	0.8	4.2	0.8

Question	Average Score (TEACHER)	Dept Average by Activity & Level (COMPUTER SCIENCE-LECTURE (Level 3000))	Fac Average by Activity & Level (SCHOOL OF COMPUTING-LECTURE (Level 3000))	Dept Average by Activity (COMPUTER SCIENCE-LECTURE)	Fac Average by Activity (SCHOOL OF COMPUTING-LECTURE)
	Mean	Mean	Mean	Mean	Mean
Overall, the teacher is effective.	4.5	4.1	4.1	4.2	4.2

Overall, the teacher is effective



Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)		Faculty Average (SCHOOL OF COMPUTING)	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
The teacher has enhanced my thinking ability.	4.5	0.6	4.3	0.8	4.2	0.8
The teacher provided timely and useful feedback.	4.5	0.6	4.3	0.8	4.2	0.8
The teacher has increased my interest in the subject.	4.5	0.7	4.2	0.8	4.2	0.9
Average of Q1-Q3	4.5	0.6	4.2	-	4.2	-

Question	Average Score (TEACHER)	Dept Average by Activity & Level (COMPUTER SCIENCE-LECTURE (Level 3000))	Fac Average by Activity & Level (SCHOOL OF COMPUTING-LECTURE (Level 3000))	Dept Average by Activity (COMPUTER SCIENCE-LECTURE)	Fac Average by Activity (SCHOOL OF COMPUTING-LECTURE)
	Mean	Mean	Mean	Mean	Mean
The teacher has enhanced my thinking ability.	4.5	4.1	4.1	4.3	4.2
The teacher provided timely and useful feedback.	4.5	4.0	4.0	4.2	4.2
The teacher has increased my interest in the subject.	4.5	4.0	4.0	4.2	4.1
Average of Q1-Q3	4.5	4.0	4.0	4.2	4.2

Department Specific Questions

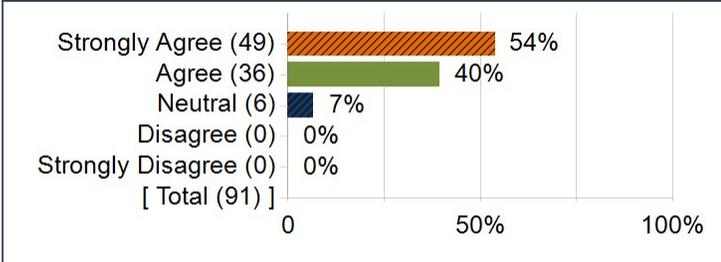
Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)	
	Mean	Standard Deviation	Mean	Standard Deviation
The teacher engaged me in useful interactions that have enhanced my learning.	4.4	0.7	4.2	0.8

Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)	
	Mean	Standard Deviation	Mean	Standard Deviation
The teacher's attitude and approach encouraged me to think and work in a creative and independent way.	4.5	0.7	4.2	0.8

Question	Average Score (TEACHER)		Department Average (COMPUTER SCIENCE)	
	Mean	Standard Deviation	Mean	Standard Deviation
The teacher cares about student development and learning.	4.7	0.5	4.3	0.8

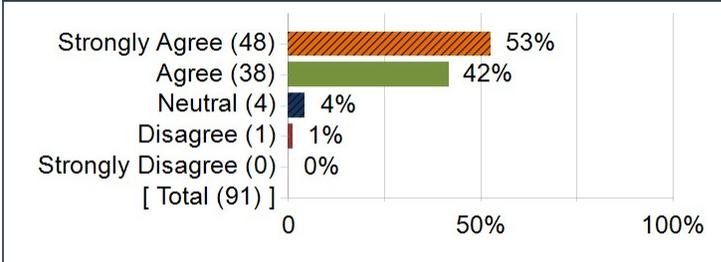
(ii) Distribution of Responses and Additional Statistics

1. The teacher has enhanced my thinking ability.



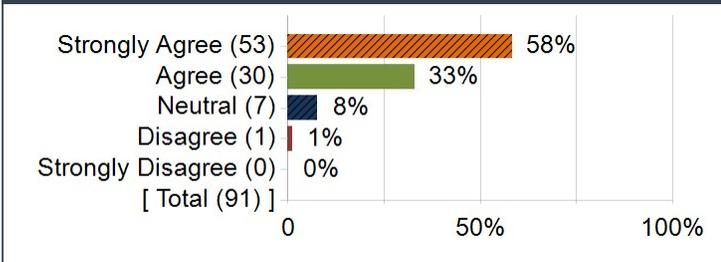
Statistics	Value
Response Count	91
Mean	4.5
Median	5.0
Mode	5
80th Percentile	5.0
Standard Deviation	0.6
Positive Feedback	93%

2. The teacher provided timely and useful feedback.



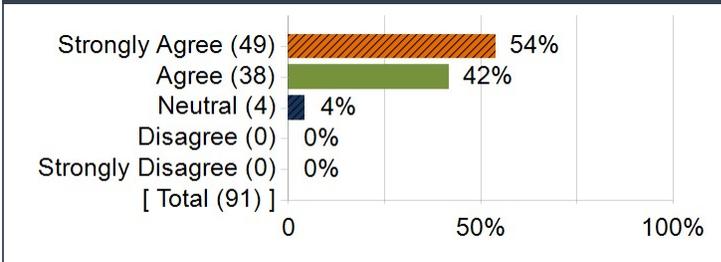
Statistics	Value
Response Count	91
Mean	4.5
Median	5.0
Mode	5
80th Percentile	5.0
Standard Deviation	0.6
Positive Feedback	95%

3. The teacher has increased my interest in the subject.



Statistics	Value
Response Count	91
Mean	4.5
Median	5.0
Mode	5
80th Percentile	5.0
Standard Deviation	0.7
Positive Feedback	91%

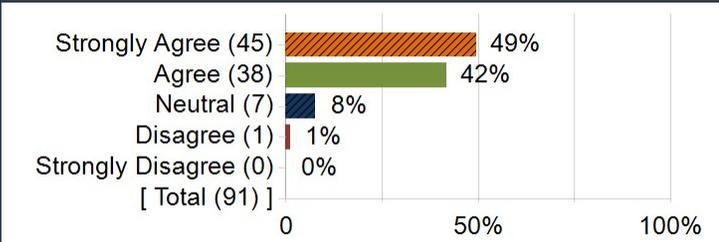
4. Overall, the teacher is effective.



Statistics	Value
Response Count	91
Mean	4.5
Median	5.0
Mode	5
80th Percentile	5.0
Standard Deviation	0.6
Positive Feedback	96%

The teacher engaged me in useful interactions that have enhanced my learning.

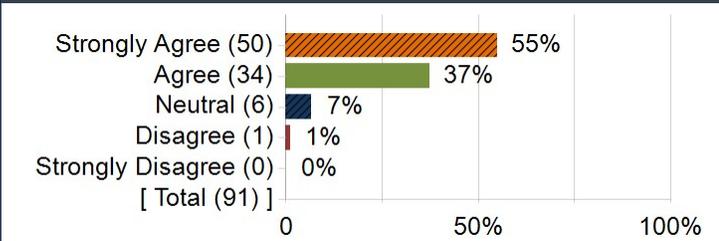
The teacher engaged me in useful interactions that have enhanced my learning.



Statistics	Value
Response Count	91
Mean	4.4
Median	4.0
Mode	5
80th Percentile	5.0
Standard Deviation	0.7
Positive Feedback	91%

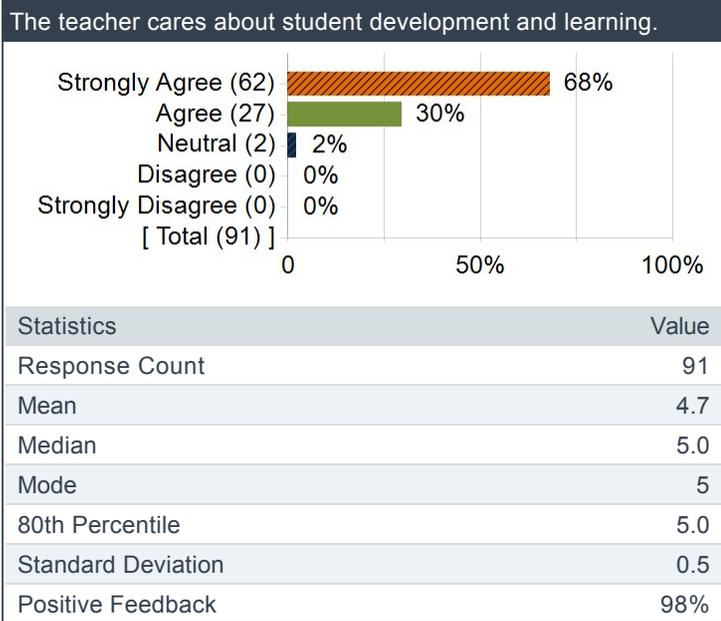
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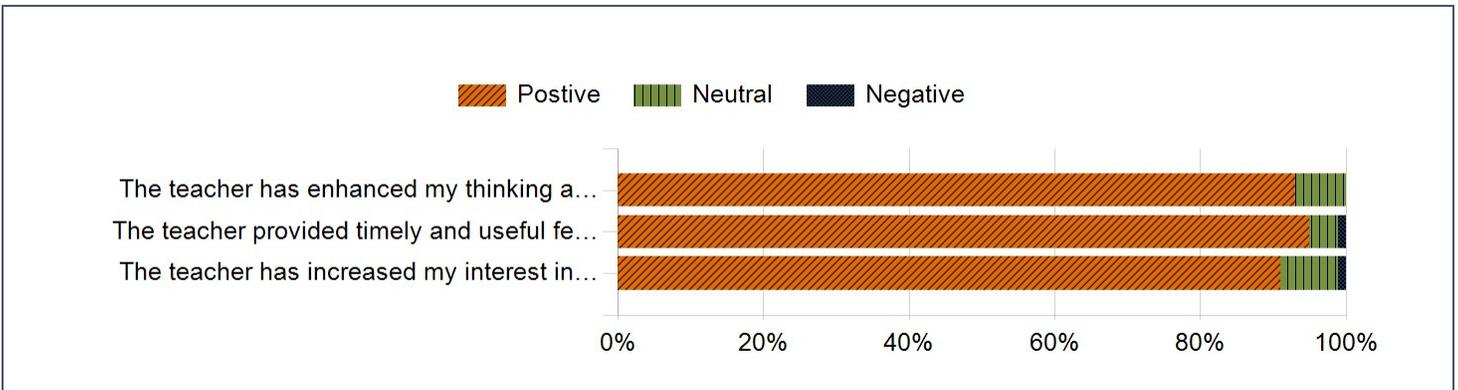


Statistics	Value
Response Count	91
Mean	4.5
Median	5.0
Mode	5
80th Percentile	5.0
Standard Deviation	0.7
Positive Feedback	92%

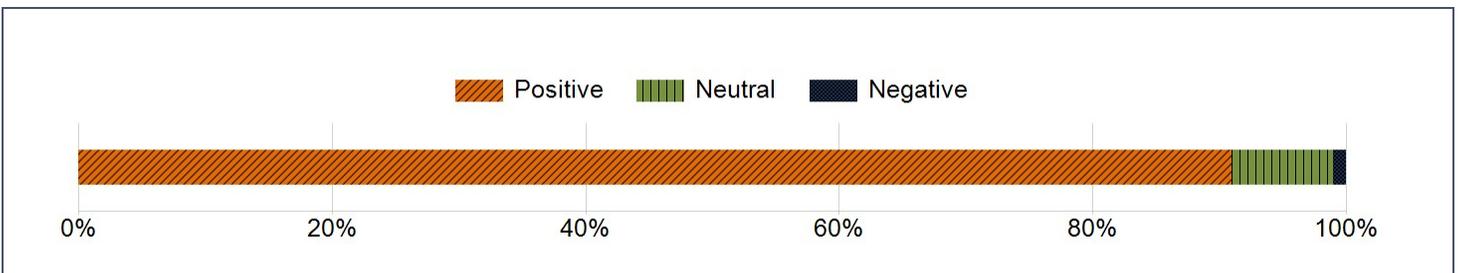
The teacher cares about student development and learning.



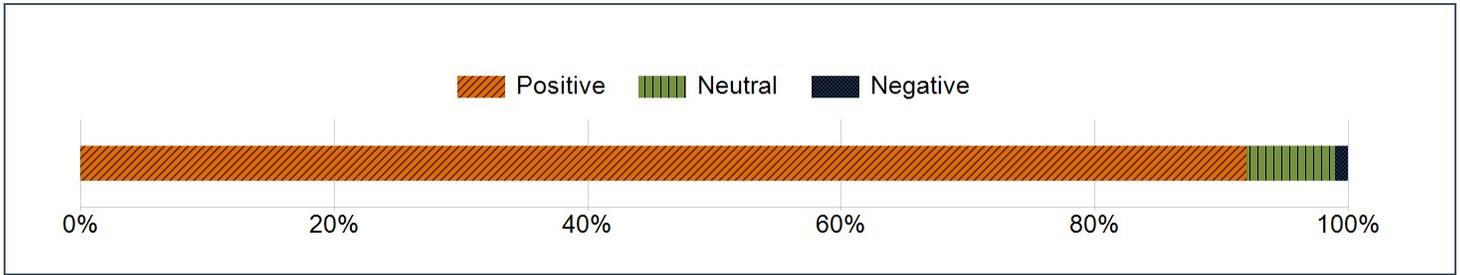
(iii) Scale Distribution of Responses



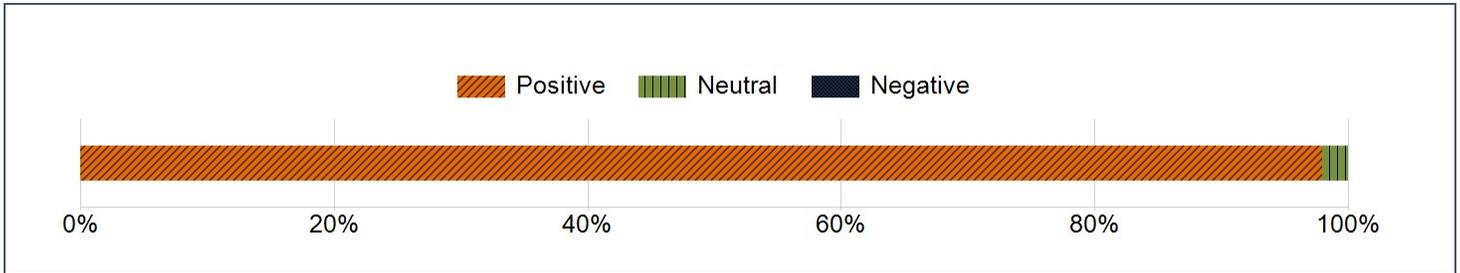
The teacher engaged me in useful interactions that have enhanced my learning.



The teacher's attitude and approach encouraged me to think and work in a creative and independent way.



The teacher cares about student development and learning.



(iv) Rating Scores vs. Gender

Question	M	F	Overall
The teacher has enhanced my thinking ability.	4.6	4.3	4.5
The teacher provided timely and useful feedback.	4.5	4.4	4.5
The teacher has increased my interest in the subject.	4.5	4.4	4.5

D. STRENGTHS

What are Kuldeep Singh Meel's strengths?

Comments
The way the concepts are explained is very clear. The code tracing and examples really made it easy to understand the reasoning behind the different algorithms intuitive, and made the lectures more interesting as well!
Can really tell that he cares about our learning outcomes
He focuses on learning rather than taking examinations which really changes our approach to the module and makes us learn more effectively
Clear step by step explanations. Explains difficult concepts more than once. Responds well to student feedback.
Very responsive to students' feedback. Lessons are succinct but effective in helping us understand the required content.
a teacher who constantly looks for students' feedback, improving his teaching year by year. respect
He makes sure that students can keep up with his teaching from time to time, and he encourages students to learn rather to compete with each other or earn a good grade.
Great at explaining concepts and making them easy to understand. Provides applications of relevant algorithms in real life. Lectures are never fast paced
Very patient in explaining concepts and approachable
He explains the concept well and the lesson is very organized
Lovely, kind prof who cares greatly about his students, and prepares a lot of materials for us :-)
A very engaging lecturer and has made artificial intelligence a very fun and engaging module to learn.
Care about students' development and learning a lot. Great labs that help the understanding of teaching materials. Good

Comments

communication skill. Clear explanation. A great professor who really sparks students' interest in this area.

Very patient, detailed, and responsible in teaching, also providing enough help to students by offering weekly consultations

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Based on the NUSMods reviews, I had a poor impression of the professor in the beginning. But over time, I realized that he has taken feedback to heart and has improved his teaching style. Any professor that does this automatically gains my respect. He explains the topics he is teaching very well and goes through examples in details.

Teaches concepts clearly, repeating explanations and code tracing for difficult to understand/ get lost parts. Consultation sessions are useful and clarifies doubts. Grading is very transparent. Is overall an effective teacher and shows in his passion when teaching several cool algorithms, increasing my interest and curiosity for the AI field.

clear explanations, ensures that all students are sure of concept, encouraging

He is kind and always well prepared in class and he is keen to answering every of our questions.

he is passionate in what he teaches and dives me to want to learn more

I am very pleased to see that he has taken in feedback from past students and provided lecture notes this semester. They are very useful in helping understand certain concepts that I could not grasp during the lecture. Prof is also a very pleasant lecturer. Making the LumiNUS forum anonymous was a great idea as it made asking questions easier (my first time asking question on forum)!

Prof is very passionate about what he is teaching and whether we understand the concepts. He is responsible and patient, answering whatever doubts we have and clarifying our questions. He also takes our feedback seriously, constantly thinking about and implementing ways that can enhance our learning. I really appreciate prof's efforts. I have gained much more understanding, insights and interests in AI.

Very caring and understanding professor that heavily encourage feedback and actually listens to them. He has improved the module significantly from previous semesters and even improved upon certain aspects during the semester after students' feedback. His lecture notes and teaching style are very clear. His tutorial questions and problem sets reinforces learning very well. I also particularly like his hybrid GoodNotes+Slides combo.

I think Prof Kuldeep's style of teaching is very different from other lecturers. In his class, we are more focus on what we learn rather than competing with one another. I found this way of learning effective and interesting.

in general just a very down to earth lecturer that desires to see his students learn. he also makes it a point to create an encouraging learning environment where any questions are welcomed, and no question is too trivial.

The course is well-designed and well-paced.

Going slow and ensuring that students grasp the complicated concepts. Blocking chat during lecture so that there will be no disturbance

Actually good at teaching

Brings students through the algorithms step by step. Taught derivation of algorithms rather than just showing the algorithms.

caring to students.

E. AREAS FOR IMPROVEMENT

What improvements would you suggest to Kuldeep Singh Meel?

Comments
pace of lectures are a little slow
NIL
Nil
Some deductions can be made clearer
Keep up the good work
can increase the pace of speaking a bit
Maybe less time spent on rigorous proofs in lecture, more time on explanation of concepts
He is very slow to reply to emails (that is if he ever does) and is not very empathetic to student problems.
Could spend more time on more abstract concepts like Q-learning, give more examples and code tracing steps to visualise and understand it better. and perhaps spend a bit less time tracing code for slightly easier topics like local search.
No.
nil
Project can be updated to Python3 and also be more original. Otherwise, the project itself is very interesting and I thoroughly enjoyed the module.
maybe due to certain concepts feeling abstract, i often find it difficult to link the concepts taught in lecture with the application in the tutorials. hence, i find myself having to spend more time outside of lectures trying to understand concepts from other resources, before i understand what prof kuldeep was talking about in the lecture! :.D
N.A.
NIL
sometimes cannot catch what he is saying due to heavy accent.

F. SELF-REFLECTION

1. When comparing these results to the previous year's results, what areas have shown improvement?
2. What areas remain to be improved and what are the necessary steps / actions to do so?
3. Are there colleagues who could potentially guide me?
4. Are there issues that require departmental or institutional support?